

CLAIMS

1. Fusion protein comprising a Carbohydrate Binding Domain and a domain having a high binding affinity for a  
5 microcapsule comprised of, or containing, a melamine based chemical component.
2. Fusion protein according to claim 1, wherein the  
10 Carbohydrate Binding Domain is a Cellulose Binding Domain.
3. Fusion protein according to any one of the preceding claims, wherein the Carbohydrate Binding Domain is a Cellulose Binding Domain obtainable from a fungal enzyme origin such as Humicola, Trichoderma, Thermomonospora,  
15 Phanerochaete, Aspergillus, Meripilus or from a bacterial enzyme origin such as Bacillus, Clostridium, Streptomyces, Cellulomonas and Pseudomonas.
4. Fusion protein according to any one of the preceding  
20 claims, wherein the Cellulose Binding Domain is obtainable from Trichoderma, Meripilus or Humicola.
5. Fusion protein according to any one of the preceding claims, wherein the domain having a high binding affinity is  
25 an antibody or antibody fragment.
6. Fusion protein according to any one of the preceding claims, wherein the domain having a high binding affinity is a Heavy Chain antibody as found in Camelidae.  
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7. Fusion protein according to any one of the preceding claims, wherein the domain having a high binding affinity is a peptide.
- 35 8. Fusion protein according to any one of the preceding claims, wherein the Cellulose Binding Domain is connected to

the domain having a high binding affinity for the melamine-type polymer by means of a linker consisting of 2-15, preferably 2-5 amino acids.

- 5    9.    DNA sequence coding for melamine-binding proteins VhhM-1E7, VhhM-1C8 or VhhM-1G711.

- 10    10.   Detergent composition comprising one or more surfactants and a fusion protein according to any one of claims 1-8 and micro-particles capsule comprising a melamine-type polymer.

- 15    11.   Detergent composition according to claim 10, wherein the micro-particles comprise a benefit agent selected from the group consisting of a fabric softening agents, fragrances, perfumes, polymeric lubricants, photoprotective agents, dye fixative agents, antioxidants, insecticides, soil repelling agents or a soil release agents.

- 20    12.   Detergent composition according to claim 11, wherein the benefit agent is a perfume.

- 25    13.   Process for delivering a benefit agent to a fabric by treating said fabric with a composition comprising a fusion protein according to any one of claims 1-8 and micro-capsules comprising a benefit agent selected from the group consisting of softening agents, finishing agents/ protective agents, fragrances and bleaching agents.